

CLAIMS

- Sub B, 7
1. A hinge connection, comprising:
a hinge arm (1) including a hinge pin (16) at an end thereof; and
a hinge recess (2) including a hinge hole (28) for receiving the hinge pin (16)
and a corner for guiding the hinge arm (1) to a first position in which the hinge
arm (1) is seated in the corner and from which the hinge arm (1) is slidable
relative to the hinge recess (2) along the corner to a second position in which the
hinge pin (16) is inserted in the hinge hole (28);
wherein the hinge arm (1) includes a spacing member (15) which protrudes
radially beyond the hinge pin (16), and, in the first position, is in seated
engagement with the corner, with the hinge pin (16) spaced from the corner, and,
in the second position, is spaced from the corner, and the end of the hinge pin
(16) includes a chamfer (161) such that, during movement from the first position
to the second position, the chamfer (161) guides the hinge arm (1) out of seated
engagement with the corner.
2. A hinge connection according to claim 1, wherein the spacing member (15) has
a cylindrically curved surface.
3. A hinge connection according to claim 2, wherein the spacing member (15) has
a surface which is circumferentially a complete cylinder.
4. A hinge connection according to any of claims 1 to 3, wherein the hinge arm (1)
includes a main arm portion (11), and the spacing member (15) and the hinge pin
(16) are integrally formed and rotatably mounted at an end of the main arm
portion (11).
5. A hinge connection according to any of claims 1 to 4, wherein the spacing
member (15) is contiguous with the hinge pin (16).
6. A hinge connection according to any of claims 1 to 5, wherein the hinge recess
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A1

(2) includes guide surfaces (22, 231), and the corner is a groove defined by the guide surfaces (22, 231), against which the hinge arm (1) is seated when in the first position.

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7.

A hinge connection according to claim 6, wherein the hinge recess (2) includes an end surface (25), and the hinge hole (28) is disposed in the end surface (25) at an end of the groove.

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8.

A hinge connection according to claim 6 or 7, wherein the guide surfaces (22, 231) are planar.

9.

A hinge connection according to claim 8, wherein the guide surfaces (22, 231) are generally orthogonal.

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10.

A hinge connection according to claim 9, wherein the end surface (25) is orthogonal to the guide surfaces (22, 231).

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11.

An electrical cabinet for electronic and electrical components, comprising a hinge connection according to any of claims 1 to 10, and a frame including a frame member (31) including the hinge arm (1) and a removable door panel (32) including the hinge recess (2).

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